

## Installation Instructions for Torque Lock Staples

The Torque Lock Staple consists of 6 easy steps to successfully install. First and foremost, let's look at the tools you'll need to get the job done.

### Tools Required

- Torque Lock Staples
- Marking templates (provided in each kit)
- Epoxy (provided in each kit)
- Carpenter's pencil (no.2 pencil will suffice)
- 1/2 inch masonry bit
- Masonry saw
- Torque Wrench
- 3/8th's ratchet
- Hydraulic cement (non-shrinking)
- Trowel
- Diamond or Carbide "V" Blade

### Installation

1. Using the template provided, trace and mark cutouts along crack approximately every 12 inches, alternating between large and small template. Then using a pencil, mark the circles for the holes to be drilled on either side of crack.

2. On drill markings, drill into structure a minimum of 4in. (4") deep using a 1/2in. masonry bit. Using a masonry saw, cut into structure along marked lines approximately 2 inches deep and chip out area that is cut (this is to recess the staple).

**NOTE:** If you should drill deeper than the recommended depth as described above, this will have no effect on the performance of the Torque Lock Staple.

3. Assemble unit first, and then using the epoxy provided, apply to the reinforcement pins as shown. With both hands, slide pins into pre-drilled holes. Then push the Torque Lock unit back until the locking plate is recessed approximately 1.5" - 2" inches into the wall.

**NOTE:** Do not get epoxy on the Cam or Locking plate!

4. Making sure that the epoxy you used is set up (read label for manufacturer instructions) and using a torque wrench with a 3/8th's ratchet attachment, insert in ratchet square and tighten clockwise 180° until 40lbs of pull torque is reached.

**NOTE:** Torque wrench can be purchased at Sears - nothing extravagant

**IMPORTANT:** Do not tighten above 40lbs. torque pressure

**IMPORTANT:** Do not turn Cam more than 180°

5. Using a diamond or carbide blade, "V" open crack between cut outs. Be sure to clean out crack & cut outs of all dust & debris.
6. Using a non shrinking cement (hydraulic cement) fill in crack & cut outs. Use a trowel to pack in cement tightly making sure you leave no voids. After finishing this process, you can go over the repaired area(s) with any finishing product you would like to use (plaster, paint, tile, Marcite, cool deck, etc.)